

## ABSTRACT

A method for diversity transmission and reception for channels with intersymbol interference is created. With this method one can transmit from two or more antennas in such a way that a receiver with one or more antennas can benefit from the diversity offered by the difference in channels from the transmit antennas to the receiver antenna(s). The way the transmission and reception is organized makes it relatively simple to in the receiver detect the transmitted symbols despite intersymbol interference in the channel. Due to the increased diversity experienced by the receiver the average power level required at the receiver is reduced which can be used to increase the capacity or coverage of a wireless network and/or reduce the required transmitted power.